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3. An oligonucleotide sequence encoding the Nuclear Myosin I β of claim 1.

4. A cDNA molecule with the following nucleotide sequence:

1	ggagcggggc	gccgggtccg	gcaggatgcg	ctaccgggca	tcggccctgg
5	gcagtgcagg				
61	ggttcgagtg	accatggaga	gcgccctgac	tgcccgagac	cgggtagggg
	tgcaggactt				
121	tgtcctgctg	gagaatttca	ccagtgaggc	tgccttcatt	gagaacctcc
	ggcggcggtt				
10 181	ccggggagaac	ctcatttata	cctacatcgg	tcctgtccta	gtctctgtca
	atccctaccg				
241	agacctacag	atctacagcc	ggcagcatat	ggaacgctac	cgtggtgtca
	gtttctatga				
301	agtaccacct	catttgtttg	cagtggctga	cactgtatac	cgggcacttc
15	gtactgagcg				
361	tcgggaccag	gcagtgatga	tttctggaga	gagtggggca	ggcaagacag
	aggccaccaa				
421	gagactgctc	cagttctatg	cagagacctg	cccagcccct	gaacgggggtg
	gcgcagtgcg				
20 481	agaccgcctg	ttgcagagca	accccggtgt	agaggccttt	gggaatgcca
	agactctccg				
541	caacgataac	tccagccggt	ttggaaagta	catggatgtg	cagtttgact
	tcaagggtgc				
601	ccccgtggga	ggccacattc	tcagttacct	cctggaaaag	tcccgggtgg
25	tgcacaaaaa				
661	tcacggagag	cggaaacttc	acgtctttta	ccagctactg	gagggggggcg
	aggaggagac				
721	tctccgtcgg	ctgggcttgg	aacggaacct	ccagagctac	ttgtacctgg
	tgaagggccca				
30 781	gtgtgccaaag	gtctcctcca	tcaacgacaa	gagtgactgg	aaggttatga
	ggaaggcgct				
841	gtccgtcatt	gacttcactg	aggatgaagt	ggaggacttg	ctcagcatcg

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		caaacgacgc				
	1861	caagcagccg	ggtcgctttg	atgaggtgct	catccgacat	caggtgaagt
		acctggggact				
	1921	gatggagaat	ctgcgcgtgc	gcagagctgg	ctttgcctat	cgtcgcaaat
5		atgaggcttt				
	1981	cctgcagagg	tacaagtcac	tgtgcccaga	gacatggccc	atgtgggcag
		gacggcccca				
	2041	ggatggtgtg	gccgtgttgg	tcagacacct	cggctacaag	ccagaagagt
		acaaaatggg				
10	2101	caggactaag	atcttcatcc	gattccccaa	gacctattt	gccacagagg
		actccctgga				
	2161	agtccggcgg	cagagtctag	ccaccaagat	ccaggcggcc	tggaggggct
		ttcattggcg				
	2221	acagaaattt	ctccgggtga	agcgatcagc	catctgtatc	cagtcatggt
15		ggcgtggcac				
	2281	actgggccgg	aggaaggcag	ccaagaggaa	gtgggcagcc	cagaccatcc
		gtcgactcat				
	2341	ccgtggcttc	attttgcgcc	attcaccccg	gtgccctgag	aatgccttct
		tcttggacca				
20	2401	cgtgcgcgcc	tcatttttgc	ttaacctgag	gcggcaactg	ccccggaatg
		ttctggacac				
	2461	ctcctggccc	acacccccac	ctgccctgag	agaggcctca	gaactgctac
		gggaactgtg				
	2521	catgaagaac	atggtgtgga	agtactgccg	gagcatcagc	cctgagtgga
25		agcagcagct				
	2581	gcagcaaaag	gcggtggcta	gtgaaatttt	caagggaag	aaggacaact
		acccccagag				
	2641	tgtccccaga	ctcttcatta	gcacacggct	tggcacagag	gagatcagcc
		ccagagtgtg				
30	2701	tcaatccttg	ggctctgaac	ccatccagta	tgccgtgccc	gtggtaaaat
		acgaccgtaa				
	2761	gggttacaag	cctcgccccc	ggcagctgct	gtcacgccc	agtgtgtgtg

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Figure 6

Figure 6 displays six histograms showing the distribution of the number of nodes per cluster for different values of α . The x-axis represents the number of nodes per cluster, ranging from 0 to 10. The y-axis represents the frequency or probability density, ranging from 0 to 0.8. The distributions are labeled as follows:

- (a) $\alpha = 0.0$: A single peak at 1 node.
- (b) $\alpha = 0.1$: A single peak at 1 node.
- (c) $\alpha = 0.2$: A single peak at 1 node.
- (d) $\alpha = 0.3$: A single peak at 1 node.
- (e) $\alpha = 0.4$: A single peak at 1 node.
- (f) $\alpha = 0.5$: A single peak at 1 node.

The histograms show that as α increases, the distribution remains concentrated at 1 node, indicating that clusters remain small even as the parameter α varies.

Figure 6. The effect of the initial concentration of the monomer on the polymerization of **1**. Polymerization conditions: [AIBN] = 0.01 mol/L; [M] = 0.01–0.1 mol/L; [H₂O] = 0.01 mol/L; [DMSO] = 0.09 mol/L; T = 70 °C; t = 2 h.

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6. A cDNA molecule encoding the peptide of claim 4.
7. The peptide of claim 5 comprising an epitope with the amino acid sequence FLAG.
8. An antibody directed to the Nuclear Myosin I β protein of claim 2.
- 5 9. An antibody directed to the peptide of claim 4.
- 10 10. The antibody of claim 7, wherein the antibody is a monoclonal antibody.
11. An antibody directed to the peptide of claim 7.
12. A functional complex formed between one RNA polymerase II.
- 10 13. A method for inhibiting cell proliferation, said method comprising:
 - (a) obtaining at least one antibody to the peptide of claim 5; and
 - (b) administering the antibody to an organism so that the antibody contacts cells.
- 15 14. The method of claim 13 wherein the antibody is a monoclonal antibody.
15. The method of claim 13 wherein the antibody is a synthetic compound.
16. A method for inhibiting cell proliferation, said method comprising
 - a) obtaining an antisense oligonucleotide to the cDNA of claim 3;
 - (b) contacting the cDNA with the antisense oligonucleotide to
 - 20 prevent expression of the cDNA and reduce cell proliferation.
17. A method for screening a candidate agent that inhibits transcription, said screening method comprising the antibodies in claim 9.
 - (a) providing proliferating cells;
 - (b) contacting the cells with the candidate agent;
 - 25 (c) determining whether nuclear myosin I β (NMI β) is translocated to the nucleus of the cells; and
 - (d) inferring that the candidate agent is an inhibitor of cell proliferation if NMI β is not detected in the cells nucleus.